



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX

- Acanthus vulgaris*, ampullæ of Lorenzini, 131
 Acidophilous cells in Amphibians, 154
 Address of President, 7
 Adrenals, acidophilous cells, in Amphibians, 154
 Air Stores in Aquatic Insects, 279
 American Species of Genus *Atractides*, 185
Amœba, Method of Obtaining, 271
 Amphibians, Acidophilous cells, 154
 Ampullæ of Lorenzini, in *Acanthus vulgaris*, 131
 Aquatic Insects, Air Stores, 279
Arachnoidiscus in Diatomaceous Earth, 290
Atractides, American species, 185
Badhamia, Cultivation of *Plasmodium*, 161
 Bessey, Chas. E. Life Sketch, 299
 Beetles, Tiger, Elytral Tracheation, 241
 Behavior of Insects and Spiders, 50
 Bifurcation in *Lumbricus*, 283
 Biological Monographs (Illinois), 56
 Biology and Social Problems, 61
 Blood Sucking Muscid Larvæ, 193
 Bombycine Moths, 279
 Botanical, Micro-Technic, Development of, 71
 Bouin's Fluid, 55
 Brookover, Chas., Some points on the Development of the Nose, 7
 Bulky Objects, Clearing, 195
 Caddis Fly, Wood Boring, 192
 Catocala Moths, 50
 Cell Changes in Epidermis of Tadpole's Tail, 167
 Celloidin, Clearing Fluid for, 55
 Celluloid Acetone Cement, 278
 Cement, Celluloid Acetone, 278
 Cephalic glands in Trematodes, Staining, 276
 Cestodes, Revision of Family *Proteocephalidæ*, 56
 Cestodes, Technic, 158
Cicindelidæ, Elytral Tracheation of, 241
 Clay for Modeling, 197
 Clearing Bulky and difficult objects, 195
 Clearing Fluid for Celloidin, 55
 Cobb, Margaret, Some Fresh Water Nematodes of the Douglas Lake Region of Michigan, 21
 Cobb, N. A., System for locating objects on Microscope Slides, 189
 Coleoptera, Olfactory Senses in, 281
 Collecting Diatoms, 53
 Constitution and By-Laws, 295
 Cort, William Walter, North American Frog Lung Flukes, 203
 Crustacean Mounting, 292
 Cultivation of *Plasmodium* of *Badhamia*, 161
 Cultures of *Amœba*, How to Revive and Keep going, 278
 Cuticula, Penetration of Foods thru, 196
 Damar as a Mounting Medium, 195
Daphnia without Sexual Forms, 161
 Dero and Slavina, 284
 Development of Botanical Micro-Technic, 71
 Development of Nose, 7
 Diatomaceous Earth, containing *Arachnoidiscus*, 290
 Diatoms, Collecting Methods, 53
 Dimorphism in Spermatozoa, 191
 Dissecting Pans, Fastening Wax in, 277
 Double Eyepiece for demonstration, 198
 Douglas Lake, Nematodes, 21
 Scales of Some Fishes, 255
 Earthworms, 284
 Egg Concealment, 192
 Elytral Tracheation of the Tiger Beetles, 241
 Embryology, Vertebrate, 161

- Embryos, Stain for, 52
 Entomological Notes, 49, 190, 279
 Epidermis, Cell Changes of, in Tail of Tadpole, 167
 Euparal, 50
 Evans, A. T., A Study of the Scales of Some of the Fishes of the Douglas Lake Region, 255
 Evolution of Sex in Plants, 59
 Examining Stools for Eggs, 54
 Eye Piece, double, for demonstration, 198
 Fishes of Douglas Lake, Scales, 255
 Fixing Flies for Sectioning, 56
 Fixing Fluid, Bouin's, 55
 Flies, Solution for Fixing, 56
 Flukes, in Lungs of North American Frogs, 203
 Fly's Tongue, for Object, 52
 Fossil Fungus Gnat, 194
 Fresh Water Nematodes of Douglas Lake, 21
 Frog, Glands of Skin, Difference in Function, 275
 Frog, Lung Flukes, 203
 Fungus Gnat, Fossil, 194
 Germ Cells in Hymenoptera, 279
 Glands, Cephalic, of Immature Nematodes, 276
 Glands, of Frog's Skin, Difference in Function, 275
 Glands, Poison, of Insect Larvæ, 49
 Gnat, Fossil Fungus, 194
 Hæmatoxylin—Orange-G, for Embryos, 52
 Hæmatoxylin, Ripening quickly, 199
 Hæmonais (Oligochæta), 283
 Hankinson, T. L., Treasurer's Report, 66
 Henning's Solution for Flies, 56
 Heredity, Mechanism of, 293
 Hyatt, J. D., Necrology, 306
 Hydropsychid Larvæ, proventriculus, 192
 Hymenoptera, Germ Cells, 279
 Immersion fluid, superior, 199
 Inland Waters, Life of, 200
 Insects, Behavior of, 50
 Insects, Key to Families, 194
 Insects, Mounts for Class Use, 198
 Insects, New Orders of, 194, 280
 Insects, Olfactory Senses, 50, 284
 Insects, Preservative for, 282
 Key to Families of Insects, 194
 Kofoid, C. A., Method of Obtaining Amœba for Class Use, 271
 Laboratory Technic, Michigan, 275
 La Rue, G. R., Notes on Laboratory Technic, 275
 Lichtgrün, and Safranin, 51
 Lids of Wooden Slide Boxes, Hinges, 196
 Life Members, New, 49
 Life of Inland Waters, 200
 Light-Producing Organs, 281
 Locating Objects on Microscope Slides, 189
 Lorenzini, Ampullæ of, 131
 Lumbricus, Bifurcation in, 283
 Luminous Organs, 281
 Lung Flukes of North American Frogs, 203
 Marker, 197
 Marshall, Ruth. American Species of the Genus *Atractides*, 185
 Maryland, Diatomaceous Earth, 290
 Material for Laboratory Use, Amœba, 271, 278
 Mechanism of Mendelian Heredity, 293
 Members, List of, 307
 Membrane, Middle, in Wings, 282
 Mendelian Heredity, Mechanism, 293
 Metcalf, H. E., Ampullæ of Lorenzini in *Acanthus Vulgaris*, 131
 Metcalf, H. E., Cell Changes in the Epidermis during the Early Stages of Regeneration in the Tail of the Frog Tadpole, with Special Reference to the Nucleus-Plasma Relation, 167
 Methods, Biological, University of Illinois, 195

- Microscopic Technic, 50
 Micro-technic, Botanical, 71
 Microtome, Table for, 197
 Middle Membrane in Wings, 282
 Milled Lines, Rendering Visible, 278
 Miller, R. T., Dissecting Board, 292
 Minutes of Philadelphia Meeting, 63
 Mites, Water, Genus *Atractides*, 185
 Modeling Clay, for Beginners, 197
 Morphology of Thysanoptera, 193
 Moths, Catocala, 50
 Mounting Crustacea, 292
 Mounting Medium, Damar, 195
 Euparal, 50
 Mounting Zoophytes and Polyzoa, 55
 Muscid Larvæ, Blood sucking, 193
 Museum Jars, seal for, 197
 Necrology, 299
 Nematodes, Fresh Water, from Douglas Lake, 21
 Neutral Red as an Indicator of digestion reactions in Protozoa, 275
 New Orders of Insects, 194, 289
 North American Frog Lung Flukes, 203
 Nose, Development of, 7
 Notes, Reviews, etc., 49, 149, 189, 271
 Notonectidæ, 282
 Nucleus-plasma relation, in cells of Tadpole's Tail, 167
 Objective, oil immersion, 196
 Objects, Locating on Slides, 189
 Oil immersion objective, best results, 196
 Olfactory Sense in Coleoptera, 281
 Olfactory Senses in Insects, 50, 284
 Oligochæta, Notes on, 283
 Oögenesis, in *Philosomia cynthia*, 191
 Optic projection, 58
 Orange-G—Hæmatoxylin, for Embryos, 52
 Penetration of fluids thru heavy cuticle, 196
 Pflaum, M., Custodian's Report, 65
 Philadelphia Meeting, 63
 Photomicrography, 200
 Plants, preserving colors of, 199
 Plasma, Relation to Nucleus, 167
 Plasmodium of *Badhamia*, Cultivation, 161
 Poison glands of Insect Larvæ, 49
 Poison of Spiders, 193
 Polyzoa, Mounting, 55
 Pool, R. T., Memorial of C. E. Bessey, 299
 Preservative for Insects, 282
 Preserving Plants in Natural Colors, 199
 President, Address of 1914, 7
 Projection, Optic, 58
 Proteocephalidæ, Revision of Cestode Family, 56
 Protozoa, Digestive Reaction in, 275
 Protozoology, Applied to Soil, 149
 Proventriculus of Hydropsychid Larvæ, 192
 Psychobiology, 60
 Regeneration, 284
 Regeneration, Cell Changes during Stages of, 167
 Reliable Method of Obtaining *Amœba*, 271
 Removal of Balsam from Slides, 197
 Report of Custodian, 65
 Report of Treasurer, 66
 Ripening Hæmatoxylin, 199
 Roberts, E. W., Olfactory Sense in Insects, 284
 Safety Razor Blades for Microtones, 196
 Safranin P. and Lichtgrün, 51
 Saturniidæ, hearing in, 49
 Scales of Fishes of Douglas Lake, 255
 Seal for Museum Jars, 197
 Sex in Plants, Evolution of, 59
 Sex Recognition, 281
 Sexual Forms, Lack of, in *Daphnia*, 161
 Shelford, V. E., Elytral Tracheation of the Tiger Beetles, 241
 Size Dimorphism in Spermatozoa, 191
 Skin Glands of Frog, Difference in Function, 275
 Slavina and Dero, 283
 Slide Box, Hinges for Lids, 196

- Slide Marker, 197
 Smith, Gilbert M., Development of Botanical Micro-Technic, 71
 Social Problems and Biology, 61
 Soil, Application of Protozoology, 149
 Spencer-Tolles Fund, Report, 65
 Spermatozoa, dimorphism in size, 191
 Spiders, Behavior of, 50
 Spider, Poison, 193
 Staining cephalic glands in immature Trematodes, 276
 Stylopization, 190
 Stylops, 190
 Subscribers, 307
 System of Locating Objects on Slides, 189
 Technic for Cestodes, 158
 Technic from University of Mich., 275
 Termites, 191
 Trichopterous Larvæ, 279
 Thysanoptera, Morphology, 193
 Tiger Beetles, Elytral Tracheation, 241
 Tongue of Fly, for object, 52
 Tracheation of Elytra of Tiger Beetles, 241
 Treasurer's Report, 66
 Trematodes, Staining Cephalic Glands, 276
 Trichoptera, Wood-Boring, Proventriculus of, 192
 University of Illinois, Notes on Methods, 195
 University of Michigan, Laboratory Technic, 275
 Vertebrate Embryology, 161
 Vials and Bottles, sealing, 199
 Water Mites, Atractides, 185
 Water Striders, Habits, 282
 Wax in Dissecting Pans, 277
 Welch, Paul S., Entomological Notes, 49, 190, 279
 Welsh, B. C., Arachnoidiscus, 290
 Wilt Disease, 281
 Wood-Boring Trichoptera, 192
 Zoophytes, Mounting, 55